

AFFIRMATIVE PROCUREMENT



Fact Sheet -NASA-



The purpose of this fact sheet is to aid in compliance with guidelines and regulations for Affirmative Procurement. According to the Executive Order (EO) 13101, agencies are required to consider the following factors in developing plans, drawings, work statements, specifications, and other acquisition planning, evaluation and contract award:

- **Elimination of virgin material requirements**
- **Use of biobased and recovered materials**
- **Product reuse, life cycle cost, recyclability**
- **Use of environmentally preferable product**
- **Waste prevention (toxicity reduction/elimination)**
- **Ultimate disposal**

Federal and military specifications are required to be reviewed and revised to enhance purchase of products containing recycled material.

Facts

Affirmative Procurement (AP): The purchase of environmentally preferable products manufactured from recycled and reclaimed materials.

Requirements for AP:

- Resource Conservation and Recovery Act (RCRA) Section 6002 (42 USC 6962)
- Executive Order 13101, Greening the Government through Waste Prevention, Recycling and Federal Acquisition
- NASA Procedural and Requirements (NPR 8530.1)
- Procurement Information Circular (PIC 1-20)

Exemptions for Recycled-Content Standards

- Product is not available competitively within a reasonable period of time
- Product does not meet appropriate performance standards
- Product is only available at an unreasonable price

Affirmative Procurement is a young program at NASA. While requirements to buy recycled exist, the government-wide AP Plans are still being established. Our goal is not only to comply with these Federal Agency requirements, but also to support recycling and buying recycled, while protecting human health and the environment from pollution.

***Affirmative Procurement
Questions visit:
Nasarecycles.nasa.gov***

Did You Know?

- Parking Curbs are available manufactured from recycled carpet
- Textiles are available manufactured completely from used soda bottles
- Attractive and maintenance free permanent mulch is available manufactured from recycled rubber



AFFIRMATIVE PROCUREMENT

Construction Project Check List

-NASA-



Project Questions:

	<u>Answer</u>	<u>Table</u>
1. Is there insulation?	(Yes) (No)	If Yes, see A
2. Is there structural fiberboard and laminated paperboard?	(Yes) (No)	If Yes, see B
3. Is there cement and/or concrete?	(Yes) (No)	If Yes, see C
4. Is there carpet?	(Yes) (No)	If Yes, see B
5. Is there floor tile and/or patio blocks	(Yes) (No)	If Yes, see D
6. Is there Recreational surface (Playground/Running Track)?	(Yes) (No)	If Yes, see E
7. Is there landscaping products?	(Yes) (No)	If Yes, see F
8. Are the affirmative procurement specifications included?	(Yes)	
9. Are there any other opportunities for Affirmative Procurement?	(Yes) (No) (Maybe)	

	<u>Material</u>	<u>Recycled Material</u>	<u>%</u>
A	Rock wool	Slag	75
	Fiberglass	Glass cullet	20-25
	Loose fill & spray on (cellulose)	Postconsumer paper	75
	Perlite composition board	Postconsumer paper	23
	Plastic rigid foam	Recovered material	9
	Foam-in place	Recovered material	5
	Glass fiber reinforced	Recovered material	6
	Phenolic rigid foam	Recovered material	5
B	Structural fiberboard		80-100
	Laminated paperboard	Postconsumer paper	100
	Polyester carpet face fiber	Excludes severe wear applications	25-100
	Playground surfaces	Rubber or plastic	90-100
	Running tracks	Rubber or plastic	90-100
C	Concrete & cement	Coal fly ash	15-35
	Concrete & cement	Ground granulated blast furnace (GGBF)	25-50
D	Patio blocks	Plastic or plastic blends	90-100
	Patio blocks	Rubber or rubber blends	90-100
	Floor tiles	Rubber	90-100
	Floor tiles	Plastic	90-100
E	Playground surface	Rubber or plastic	90-100
	Running track	Rubber or plastic	90-100
F	Paper based hydraulic mulch	Postconsumer paper	100
	Wood based hydraulic mulch	Recoverd wood and/or paper	100
	Compost		100



These are recommended quantities for fly ash and GGBF in cement and concrete. The actual requirement is to use the maximum amount of recycled material while meeting performance specifications